

B₃ 77. (Once amended) The electrical current generation system according to claim 76 where the first oxygen purity is in the range of from about 70% to about 90% and the second oxygen purity is in the range of from about 30% to about 40%.

B₄ 103. (Once amended) The process according to claim 102, further comprising introducing a hydrogen-containing feed gas into the rotary pressure swing adsorption module, wherein the hydrogen-containing feed gas is generated by reforming or partial oxidation.

Please add the following new claims:

B₅ --122. (New) The electrical current generating system of claim 80, wherein the rotary pressure swing adsorption module comprises a contaminant-selective adsorbent for adsorbing a contaminant from the hydrogen gas feed.

123. (New) The electrical current generating system of claim 122, wherein the contaminant is selected from at least one of carbon dioxide, carbon monoxide, nitrogen, ammonia, hydrogen sulfide, methanol, chlorine, and water.

124. (New) The process according to claim 103, wherein the hydrogen-containing feed gas includes at least one contaminant and the rotary pressure swing adsorption module includes an adsorbent that preferentially adsorbs the contaminant.

125. (New) The process according to claim 124, wherein the contaminant is selected from at least one of carbon dioxide, carbon monoxide, nitrogen, ammonia, hydrogen sulfide, methanol, chlorine, and water.

126. (New) The system according to claim 32, wherein the hydrogen gas delivery system comprises a reactor for producing a gas feed from hydrocarbon fuel, the first rotary pressure swing adsorption system is coupled to the reactor for receiving the gas feed, and the first rotary pressure swing adsorption system comprises a contaminant-selective adsorbent for adsorbing a contaminant from the hydrogen gas feed.

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127. (New) The system according to claim 126, wherein the contaminant is selected from at least one of carbon dioxide, carbon monoxide, nitrogen, ammonia, hydrogen sulfide, methanol, chlorine, and water.

128. (New) The system according to claim 1, wherein the rotary pressure swing adsorption system operates at an elevated temperature.

129. (New) The system according to claim 1, wherein the rotary pressure swing adsorption system operates at a temperature greater than ambient temperature.

130. (New) The system according to claim 1, wherein the rotary pressure swing adsorption system operates at a temperature of about 40°C to about 60°C.

131. (New) The system according to claim 1, wherein the rotary pressure swing adsorption system operates at a temperature greater than 100°C.--

REMARKS

The amendment to claim 56 and the specification correct typographical errors present in the application as filed. The amendment to claim 77 corrects the inadvertent omission of the proper claim dependency. New claims 122-131 have been added. Support for claims 122-127 is found in the specification at page 20, lines 16-24 and page 44, line 20 – page 45, line 11. Support for claims 128-131 is found in the specification at page 23, lines 22-27. Entry of the amendments and new claims 122-131 is respectfully requested.